FIG. 1

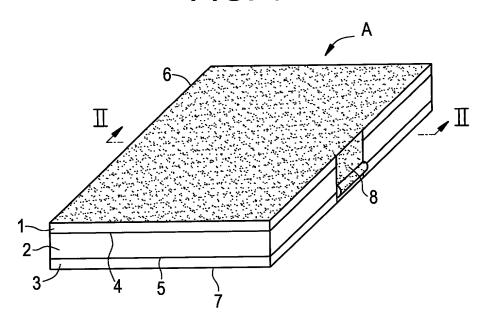
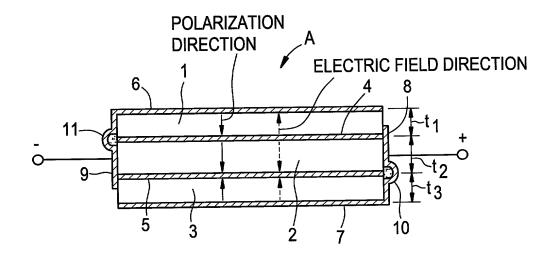


FIG. 2



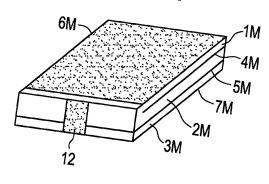


FIG. 3B

POLARIZATION DIRECTION

1M 6M 4M

12 5M 3M 2M 7M

FIG. 3C

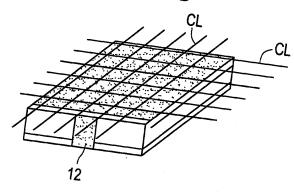
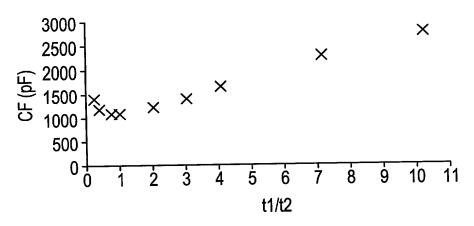
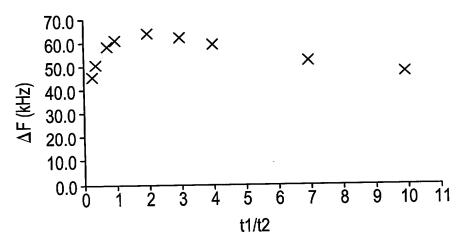


FIG. 4



× POLARIZATION OF CENTRAL PIEZOELECTRIC LAYER

FIG. 5



× POLARIZATION OF CENTRAL PIEZOELECTRIC LAYER

FIG. 6

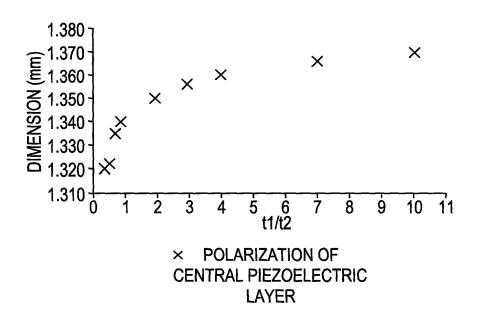


FIG. 7

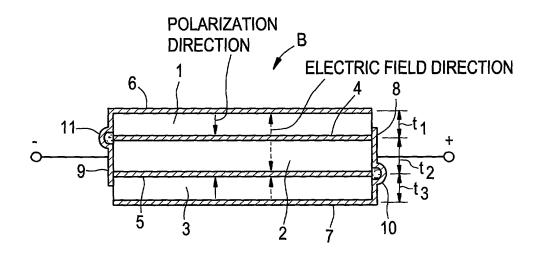


FIG. 8A

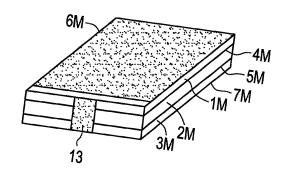


FIG. 8B

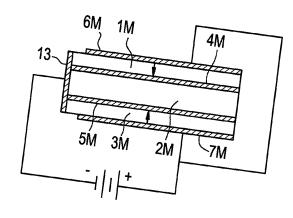
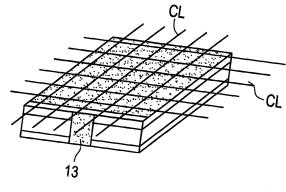


FIG. 8C



THE RESIDENCE OF THE PERSON OF

FIG. 9

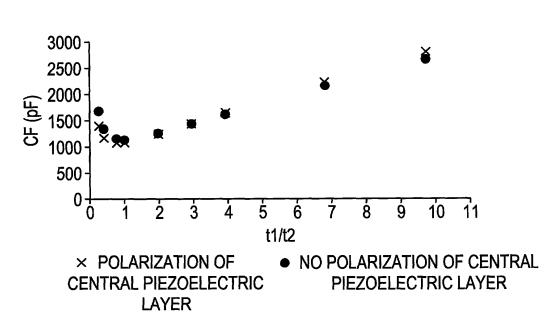


FIG. 10

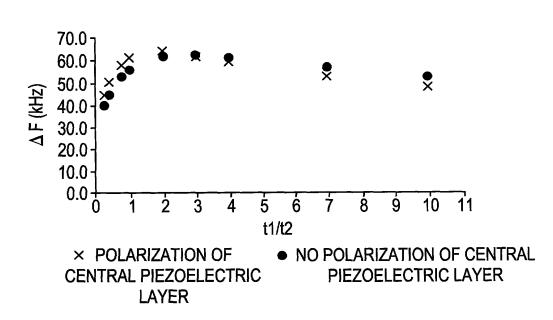
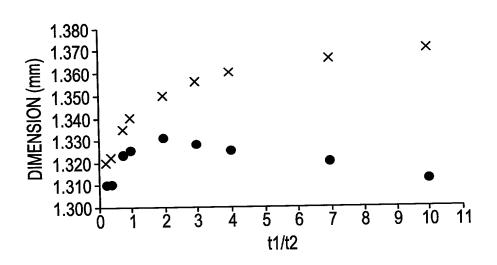


FIG. 11



× POLARIZATION OF CENTRAL PIEZOELECTRIC LAYER  NO POLARIZATION OF CENTRAL PIEZOELECTRIC LAYER